

Abstract of the Disclosure

High performance switching network topologies and frame addressing techniques therefor are disclosed. A two-dimensional Fibre Channel switch fabric is disclosed which combines a Class 1 connection space-division multiplexing sub-fabric, and Class 2 and 3 connectionless space- and time-division multiplexing sub-fabric. Networking topologies are disclosed for combining multiple modules to increase the number of supported ports. Addressing and frame routing techniques are provided for routing frames to any port in any module of a large interconnected network of modules.